State of California
Regional Water Quality Control Board
San Diego Region

EXECUTIVE OFFICER SUMMARY REPORT
FEBRUARY 5, 2003

ITEM: Notification

SUBJECT: FINAL CORRECTIVE ACTION PLAN FOR SITE 1327, MARINE CORPS BASE CAMP PENDLETON, CALIFORNIA

PURPOSE: Public notification of Regional Board staff concurrence with a Corrective Action Plan (CAP) for a petroleum contaminated site located at the 13 Area Gas Station (Building 1327), Marine Corps Base Camp Pendleton.

DISCUSSION: The Final Corrective Action Plan (CAP) and CAP Addendum present an evaluation of corrective action alternatives for an unauthorized release of gasoline, diesel, and waste oil to soil and ground water at the 13 Area gas station that has been operating since 1955. The source of the unauthorized release was a leaking underground storage tank (UST) system including seven USTs, 14 dispenser islands, and underground conveyance pipes. Environmental activities conducted to date include assessing the extent and magnitude of soil and ground water contamination, site characterization, evaluating leachability potential of soil contamination, free product recovery, and conducting an organic and explosive vapor survey of utility manholes.

Contaminants encountered during assessment activities include petroleum products and constituents. Soil assessment activities indicate the presence of approximately 42,000 yd^3 of petroleum contaminated soil (maximum concentration of 25,000 mg/kg) at a maximum depth of 50' bgs. Ground water assessment activities, which commenced in 1995, are conducted on a quarterly basis using a network of 29 wells. A maximum of 12' of free product has been encountered at the site. In 1995 interim remedial actions commenced with the installation and operation of vacuum enhanced free product recovery and soil vapor extraction systems. To date, 40,238 gallons of petroleum has been extracted from the subsurface environment, which is recycled at an off Base facility. Vapor surveys of utility manholes surrounding the site, conducted on a quarterly basis for four years, indicate the absence of detectable concentrations of organic or explosive vapors.

Based on a feasibility study, which is presented in the CAP, the consultant has determined the most appropriate corrective action alternative for the site involves the continued operation of the free product recovery and soil vapor extraction systems, dissolved ground water plume treatment using Oxygen Releasing Compound (ORC), and ground water monitoring. The case files, site investigation reports, CAP, and CAP Addendum are available for public review at the RWQCB office. The inclusion of this public notice as part of the RWQCB agenda fulfills the agency's obligation for public notification of the CAP document referenced above.

LEGAL CONCERNS: The RWQCB is required to inform the public of the proposed activities contained in a Corrective Action Plan or CAP [California Code of Regulations (CCR), Title 23, Division 3, Chapter 16, Article 11, Section 2728(a)].

RECOMMENDATION: Receive and file.